

# H07RN-F Cordage



Heavy Duty, Neoprene Jacketed, Harmonized European Flexible Cordage

H07RN-F is a neoprene cordage that meets <HAR> H07RN-F approval. It has an oil, chemical and abrasion resistant jacket and has an international color code.

### Recommended Applications:

Power cordage for European machinery, Portable tools, Data processing, control systems, Commercial appliances, and MRO replacement for European machinery

### Application Advantage:

- Oil, chemical and abrasion resistant neoprene jacket
- Ideal for high stress applications in dry and damp environments
- MRO replacement for European machinery
- UV resistant, outdoor use

### H07RN-F Cordage Construction:

Finely stranded bare copper conductors; rubber insulation; dry lubricant; neoprene jacket.



**Cable Attributes, See Page 653**

Oil Resistance: OR-01

Motion Type: FL-01

Flame Resistance: FR-01

Mechanical Properties: MP-01

**Availability:**

Standard put-ups are 164ft, 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.

**Complete the installation with:**

SKINTOP® Strain Relief: Page 486

EPIC® Connectors: Page 251

OLFLEX® Tubing: Page 546

<HAR> Cordsets: Page 640

### Technical Data:

Minimum Bend Radius for flexible use:	10 x cable diameter	Color Code:	VDE 0293-308, Chart 6, Page 673
Temperature Range:	-25°C to +60°C	Conductor Stranding:	Fine Wire in acc. with VDE 0295 Cl.5 IEC 60228 Cl.5
Nominal Voltage:	450/750V	Approvals:	<HAR> H07RN-F
Test Voltage:	2500V		

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	Copper Weight lbs/mft	Approx. Weight lbs/mft	Approx. Weight kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	Copper Weight lbs/mft	Approx. Weight lbs/mft	Approx. Weight kg/km
18 AWG / 1.00 mm <sup>2</sup>						8 AWG / 10 mm <sup>2</sup>					
1600117	3	.327 - .421	19	88	130	1600121	3	.752 - .953	194	595	880
16 AWG / 1.50 mm <sup>2</sup>						6 AWG / 16 mm <sup>2</sup>					
1600103	3	.362 - .469	29	111	165	16001083	4	.823 - 1.043	258	712	1060
16001233	4	.402 - .516	39	135	200	16001093	5	.902 - 1.146	323	880	1300
16001043	5	.441 - .567	48	162	240	4 AWG / 25 mm <sup>2</sup>					
14 AWG / 2.50 mm <sup>2</sup>						16001122	3	.858 - 1.087	310	737	1090
1600118	3	.429 - .551	48	159	235	16001103	4	.937 - 1.185	413	910	1345
16001053	4	.476 - .610	65	196	290	16001113	5	1.185 - 1.311	516	1137	1680
16001293	5	.524 - .669	81	232	345	2 AWG / 35 mm <sup>2</sup>					
12 AWG / 4 mm <sup>2</sup>						16001123	4	1.138 - 1.441	645	1350	1995
1600119	3	.500 - .638	77	216	320	16001133	5	1.260 - 1.591	806	1672	2470
16001063	4	.551 - .705	103	267	395	1 AWG / 50 mm <sup>2</sup>					
16001303	5	.614 - .783	129	328	485	16001153	4	1.484 - 1.870	1290	2460	3635
10 AWG / 6 mm <sup>2</sup>						2/0 AWG / 70 mm <sup>2</sup>					
1600120	3	.555 - .709	116	335	495	16001143	4	1.280 - 1.618	903	1790	2645
16001073	4	.618 - .787	155	412	610	1 AWG / 50 mm <sup>2</sup>					
16001313	5	.689 - .874	194	514	760	16001163	4	1.681 - 2.126	1806	3269	4830
						3/0 AWG / 95 mm <sup>2</sup>					
						16001283	4	1.906 - 2.402	2451	4278	6320